



## Controller/Operator

 <p>Data Link Services</p>	 <p>Voice Services</p>
<p><b><u>Departure:</u></b></p> <ul style="list-style-type: none"> <li>•ATIS (broadcast both voice and data)</li> <li>•Pre-Departure Clearance</li> <li>•Push-Back</li> <li>•Taxi Instructions</li> <li>•Surface Traffic Advisories (ASTA Surface Traffic Depiction)</li> <li>•Hold/Penalty Box and General Traffic Management Restrictions</li> <li>•Surface Winds/Altimeter/Squawk Code</li> <li>•Surface Weather-wind shear; RVR; ASOS/AWOS; etc.</li> <li>•Traffic Advisories</li> <li>•PIREPs</li> <li>•Frequency Change/Transfer of Control</li> </ul> <p><b><u>Arrival:</u></b></p> <ul style="list-style-type: none"> <li>•Initial Contact (Local Control)</li> <li>•Altimeter Setting &amp; Winds</li> <li>•ATIS (broadcast both voice and data)</li> <li>•Wake Vortices</li> <li>•Wind Shear Advisories/Alerts (ITWS products)</li> <li>•Traffic Advisories</li> <li>•PIREPs</li> <li>•RVR and RWY landing restrictions (pavement conditions)</li> <li>•Taxi Instructions</li> <li>•ASTA Surface Traffic Depiction</li> </ul>	<p><b><u>Departure</u></b></p> <ul style="list-style-type: none"> <li>•Take-Off Clearance and Clearance Limits (primarily voice)</li> <li>•Traffic Alerts (primarily voice)</li> <li>•Heading &amp; Altitude Changes (primarily voice)</li> </ul> <p><b><u>Arrival:</u></b></p> <ul style="list-style-type: none"> <li>•Traffic Alerts (primarily voice)</li> <li>•Initial Landing Clearance</li> <li>•Final Landing Clearance (primarily voice)</li> <li>•Transfer of Control to Ground (primarily voice)</li> </ul> <ul style="list-style-type: none"> <li>• All Emergency Communications</li> <li>• Back-Up for Data Link Communications</li> <li>• All Communications for Non-Data Link-Equipped Aircraft</li> </ul>

**Figure 5-12. ATC Tower/Airport Surface Communications Services**